

*In Communications Network*  
**NETWORK WAKE-UP PATTERN MATCHING<sub>1</sub>**

**ABSTRACT**

Stations in a communications network are awakened by matching a pattern received from the communications network with patterns in the stations. When a match occurs, the stations are awakened. The patterns are arranged contiguously on word boundaries. A nibble (4 bits) in a mask word identifies the part of the pattern word to be used in the comparison.